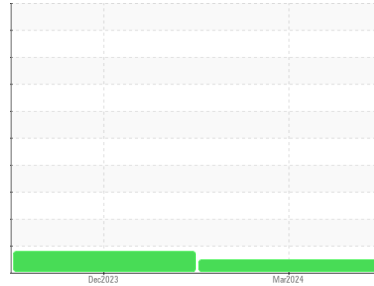




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**SS 1-5**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 150 (--- LTR)**

## DIAGNOSIS

### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0909074</b>	WC0877655	---
Sample Date	Client Info			<b>20 Mar 2024</b>	05 Dec 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	---

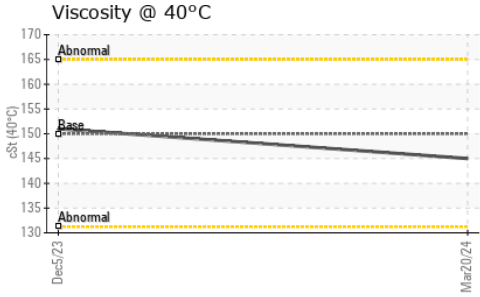
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	<b>122</b>	▲ 241	---
Chromium	ppm	ASTM D5185(m)	>15	<b>1</b>	2	---
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	50	<b>26</b>	23	---
Barium	ppm	ASTM D5185(m)	15	<b>14</b>	7	---
Molybdenum	ppm	ASTM D5185(m)	15	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	---
Magnesium	ppm	ASTM D5185(m)	50	<b>&lt;1</b>	<1	---
Calcium	ppm	ASTM D5185(m)	50	<b>6</b>	10	---
Phosphorus	ppm	ASTM D5185(m)	350	<b>320</b>	318	---
Zinc	ppm	ASTM D5185(m)	100	<b>8</b>	24	---
Sulfur	ppm	ASTM D5185(m)	12500	<b>13318</b>	12719	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>0</b>	2	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---



# OIL ANALYSIS REPORT



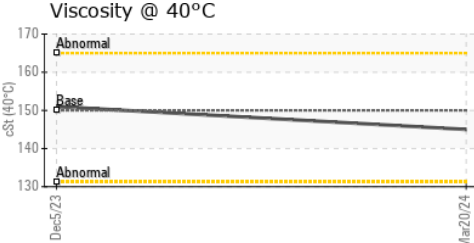
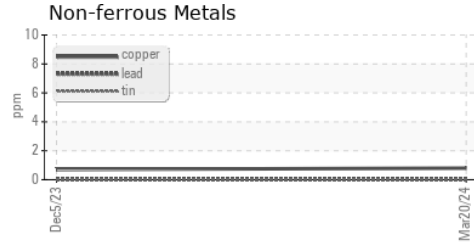
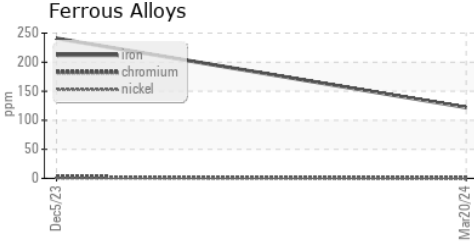
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	150	<b>145</b>	151	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color					no image
Bottom					no image

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0909074      **Received** : 21 Mar 2024  
**Lab Number** : **02623858**      **Tested** : 21 Mar 2024  
**Unique Number** : 5748977      **Diagnosed** : 21 Mar 2024 - Wes Davis  
**Test Package** : IND 1

**EMF ELECTRICAL SERVICES**  
 2690 SLOUGH STREET  
 MISSISSAUGA, ON  
 CA L4T 1G3  
 Contact: Wilson  
 Wilson@emfelectrical.ca  
 T: (905)405-8836  
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.